LH-A023 280w spot moving head light

User Manual

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This manual contains important information.
Please read before operating fixture.

1 SECURITY TIPS

WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- non-professionals, not to disassemble the light arbitrarily and lighting accessories inside.
- rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.
- lamps used in ambient temperature: -15 ℃ -40 ℃, the highest temperature of the surface of the lamp: 60 ℃.
- to keep away from the liquid substance and humid environment.
- before using the lights must ensure the good grounding, can not install charging and remove any parts.
- the installation of lamps, must be fixed screw fasteners with additional security cable and regular inspection.
- lamps consecutive working hours is not recommended more than 10 hours.
- should stop using the lights in time when happens unusual conditions during the process
- lamp parts of the rotation, external accessories and paste parts should be regular inspected, such as the emergence of loose and rock, should be reinforced in a timely manner to prevent the accident.
- lamps adopt strong winds to refrigerate, it is easy to accumulate the dust, so you have to clean it weekly especially the cooling air opening, otherwise the dust will plug leading to poor light

2 TECHNOLOGY REFERENCE

Electrical:
AC100-240v 50-60Hz
Power :350W

Lamp:
Osram Sirius HRI 280 W lamp
6,000 Hour Average Life

Ballast: Electronic

Optical System:
Beam range: 5°-20° (spot application)
2.5°-10° (beam application)

Colour wheel:13 dichroic filters + white

Static gobo wheel:10 metal gobos & 4 beam reducers

Rotating gobo wheel:
9 glass gobos can be indexed and rotated in both directions at different speeds

Prisms:
Rotating 6-facet linear prism with continuous rotation in both directions
Rotating 8-facet circular prism with continuous rotation in both directions

Frost filter: Separate,variable frost filter

Zoom: Linear motorized zoom

Strobe: Strobe effect with variable speed (max.15 flashes/sec.)

Dimmer: Smooth dimmer from 0 - 100 %

Control:
Control channels: 24CH
Touch screen +4 buttons LED display
DMX modes (24 control channels)

Pan/Tilt:
Pan movement range 540°
Tilt movement range 270°
1 6 bit movement resolution
Automatic Pan/Tilt position correction
Pan lock mechanism

Connection:
DMX in/Out: 3-pin
Powercon in

APPROVALS / RATINGS
CE and RoHS
IP20
SIZE / WEIGHT
Size : 358mm*268mm*197mm
N.W : 8kg

3 Board Instruction

Control menu:

ESCAPE
NEXT
PREV
ENTER DISPLAY ON

Control menu map:

	FEATURES SETTING	
Run Mode	WIRE/AUTO/DMX	ADV.
		RST.

ChanMode	SMAL/STANDEFE	
X Reverse	ON/OFF	
Y Reverse	ON/OFF	
XYspeed	NORM/FAST/SLOW	
X angle	360/540/630	SAVE
XY Fback	ON/OFF	
SignalClear	ON/OFF	
Full Color	ON/OFF	ESC
Shortcut	ON/OFF	

ADVANCEO FUNCTION:

Zero. Set	Plane(0-255)
	Tilt(0-255)
	FixeGobo(0-255)
	RotGobos(0-255)
	Color(0-255)
	Focus(0-255)
	Zoom(0-255)
	Shutter(0-255)
	Prism(0-255)
	Prism2(0-255)
	GobosRot(0-255)
	Frost(0-255)
	gobosRowRot(0-255)
	Frost2(0-255)

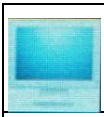
Chan. Def.	Color
	Shutter
	Dimmer
	Gobo1
	prismInt
	PrismRot
	Gobo2
	Frost
	Focus
	Plane
	PlaneFine
	Tilt
	TiltFine
	Reset
	XY speed
Fact. Set	(0-255)X Master
	(0-255)X Slave
	(0-255)Y Master
	(0-255)Y Slave
	Lamp GND/5V
	(0-255)Y Angle
	Logo Neutral/Custom
	KEY 4KEY/SHUTTLE
	(0-255)UsePassWord1

	(0-255)UsePassWord2
	FactPassWord1
	(0-255)FactPassWord2
Use. Mang.	Limit
	Defaults

	MANUAL
LAMP REST	ALL MOTER
	PART MOTER
	XY MOTER
TEST RUN	AUTO
	SOUND
SMULATE DMX	CH1-CH24(0-255)

	SYSTEM INFO
DMX VALUE	CH1-CH240-255)
OTHER INFO	(0-9999)Run Time
	(0-9999)Run Count
	(0-9999)Residue T
	(0-9999)Residue C
	(0-9999)Fan 1

	(0-9999)Fan 2
	(0-100)Temp 1
	(0-100)Temp 2
	PCB1 Ver
	PCB2 Ver
	PCB3 Ver
ERROR INFO	Color
	RotGobos
	FixeGobos
	Plane
	Tilt
	RotGobs1
	Prism
	Effect
	Prism.R
	Effect.R
	Zoom
	focus

 DISPLAY SETTING	
Brightness	1-7 Level
LightDelay	Sec/On
Menuback	Sec/Off

Flicker	Off/On

LAMP SETTING	
Default	ON/OFF
Manual	ON/OFF
Electronic	ON/OFF

UNLOCK	PassWord1
	PassWord2

	PassWord1	PassWord1
Zero. Set/ Chan. Def.	1	0
Fact. Set	1	2
Use. Mang.	3	4

4 DMX CHANNEL SHEET

CH	Channel	DMX value	Description
1	Pan	0-255	Pan movement by 540°
2	Pan fine	0-255	Fine control of pan movement
3	Tilt	0-255	Tilt movement by 270°
4	Tilt fine	0-255	Fine control of tilt movement

5	Pan/Tilt Speed Pan/Tilt Time	0-255	Quick → Slow
6	macro	0-19	No function
		20-24	energy-saving mode(230w)
		25-129	No function
		130-139	Control table light bubble
		140-149	Pan ,tilt reset
		150-159	No function
		160-169	Effect reset
		170-199	No function
		200-209	Lamp reset
		210-229	No function
		230-239	Control table out the bubble
		240-255	No function
7	Color wheel	0-8	white
		9-17	Dark red
		18-26	Dark blue
		27-35	Yellow
		36-44	Green
		45-53	magenta
		54-62	Cyan
		63-71	Red
		72-80	Sea Green
		81-89	Amber
		90-98	Blue
		99-107	Orange
		108-116	Cooling
		117-127	Blacklight Blue
		128-129	White
		130-134	Blacklight Blue+cooling
		135-138	Cooling+orange

		139-143	Orange+blue
		144-147	Blue+amber
		148-152	Amber+sea green
		153-157	Sea green+red
		158-161	Red+skyblue
		162-166	Skyblue+ magenta
		167-171	Magenta+green
		172-176	Green+yellow
		177-180	Yellow+dark blue
		181-185	Dark blue+dark red
		186-189	Dard red+white
		190-220	From Fast to slow running
		221-250	From Slow to fast running
		251-255	
8	No function		
9	No function		
10	Static gobo wheel	0-3	No function
		4-9	Gobo1
		10-15	Gobo2
		16-21	Gobo3
		22-27	Gobo4
		28-33	Gobo5
		34-39	Gobo6
		40-45	Gobo7
		46-51	Gobo8
		52-57	Gobo9
		58-63	Gobo10
		64-69	Little beam1
		70-75	Little beam2
		76-87	Little beam3

		Gobo shake from slow to fast	
		88-95	Gobo1
		96-103	Gobo2
		104-111	Gobo3
		112-119	Gobo4
		120-127	Gobo5
		128-135	Gobo6
		136-143	Gobo7
		144-151	Gobo8
		152-159	Gobo9
		160-167	Gobo10
		168-175	Beam reducer 1
		176-183	Beam reducer 2
		184-199	Beam reducer 3
		200-255	Static gobo running from slow to fast
11	Rotating gobo wheel	0-8	No function
		9-17	Gobo1
		18-26	Gobo2
		27-35	Gobo3
		36-44	Gobo4
		45-53	Gobo5
		54-62	Gobo6
		63-71	Gobo7
		72-80	Gobo8
		81-89	Gobo9
		Gobo shake from slow to fast	
		90-97	Gobo1
		98-106	Gobo2
		107-115	Gobo3

		116-124	Gobo4
		125-133	Gobo5
		134-142	Gobo6
		143-151	Gobo7
		152-160	Gobo8
		161-169	Gobo9
		171-179	Gobo9 stop
		180-217	From fast to slow running
		218-255	From slow to fast running
12	Gobo rotation	0-127	indexing
		128-177	Forwards gobo rotation from slow to fast
		178-203	stop
		204-255	Backwards gobo rotation from fast to slow
13	No function	0-255	
14	Prism	0-19	No function
		20-75	6-facet linear prism
		76-255	8-facet circular prism
15	Prism rotation	0-127	indexing
		128-191	6-facet prism Backwards rotation from fast to slow,8-facet prism Forwards rotation from fast to slow
		192-193	No function
		194-255	6-facet prism Forwards rotation from slow to fast,8-facet prism Backwards rotation from slow to fast
16	Frost	0-64	No function
		65-255	Linear frost

17	zoom	0-255	Zoom from max. to min.beam angle
18	Zoom fine	0-255	Fine zooming
19	focus	0-255	Continuous adjustment from far to near
20	Focus fine	0-255	Fine focusing
21	No function	0-255	
22	strobe	0-31	Strobe close(Lamp power reduced to 230 W)
		32-63	Strobe open, Full lamp power
		64-95	Strobe from slow to fast
		96-127	Strobe open
		128-143	From fast to slow,slow close fast open
		144-159	From slow to fast,slow open fast close
		160-191	Strobe open
		192-223	Random strobe-effect from slow to fast
		224-255	Strobe open, Full lamp power
23	Dimmer	0-255	Linear dimmer
24	No function	0-255	

5 DIFFICULTY RESOLUTION

The following is a list of problems and resolution, and other malfunction preparing work should be professionally qualified staff to deal with.

1. Bulb not working
    a) Check whether approaching the service life of light bulbs, then change it
    b) Check whether bulbs circuitry leak, loss or connect poorly
2. Beam appears bleak
    a) The bulbs maybe approach the service life, then change it, or the optical components are unclean.
    b) Bulbs have accumulation of dust, so the bulbs and other parts
    a) off

6 AFTER SERVICE

1. Our company offer technical consultation to customers for ever.
2. If the machine is wrong and need repairmen, please truthfully fill in the related content and feedback us the problems timely, as well as we have to improve the product.
3. In addition to the lamp, also matching accessories are as follows：

accessories：Power line 1 piece Optional parts：(customers）

Warranty Card

Name	Model	Production	Purchase

End User	Sale Store
Company Name:	Link man: Tel: Stamp
Add:	

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the warranty will not work (warranty period and terms, see the following)

warranty period：one year since purchase warranty terms：1、If fail when using the product in normal state, you can made under the provisions of the warranty, show the warranty card and purchase bills(copy), and enjoy free maintenance service in a specific service center or the manufacturer.

2. The following will be the implementation of paid service:
(1)Without the effective warranty card
(2)There's blank, alter and no point-of-sale name
(3)Fail caused by unresistance
(4)Fail caused by transportation or unloading
(5)Fail caused by not operate by manual
(6)Fail caused by disassemble without unauthorized
(7)Fail caused by using the unauthorized control system

Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding.